



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/526,848

09/29/2005

Ling Wang

US02 0306 US

9363

24737

7590

01/26/2009

PHILIPS INTELLECTUAL PROPERTY & STANDARDS

P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER

TRINH, TAN H

ART UNIT

PAPER NUMBER

2618

MAIL DATE

DELIVERY MODE

01/26/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/526,848	<b>Applicant(s)</b> WANG, LING	
	<b>Examiner</b> TAN TRINH	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10-30-2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-7, 9-17 and 19-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Josephsoon (U.S. Pub. 2008/0034331).

Regarding claims 1 and 11, Josephsoon teaches a lighting control network (250) (see fig. 2A-B), comprising: a remote control unit (220) having a RF signal transmitter and a RF signal receiver (see fig. 2A-B, remote control unit (220) is communication with MDS (control system 202 or 252) via a wireless communication pathway or with two way link 234, on page 11, section [0110]); and a plurality of lighting control units (202s) with wireless RF connection (260) (see fig. 2B, page 11, section [0111] lines 3-12), each of the lighting control units (202s) having a RF signal transmitter, a RF signal receiver (see fig. 2B, page 11, section [0111] lines 3-12). In this case, the wireless communication in RF link is well known in the art or inherently disclosed transmitter and receiver for communicating. And a lighting unit (210) associated therewith (see fig. 2B), wherein the remote control unit (220) and the plurality of lighting control units (202s and 252) are configured in a master-slave oriented network (see fig. 2B), one of the plurality of lighting control units (252 of 202) and the remote control unit (220) being configured as a master in the network and remaining lighting control units (202s) of the plurality of lighting units and

Art Unit: 2618

the remote control unit being configured as slaves in the network (see fig. 2B, page 11, section [0111] lines 3-12). In this case, the remote control unit (220) and lighting control unit (252) is configured in a master lighting control and lighting control units (202s) configured is slave oriented network). And the plurality of lighting control units (202s) and the remote control unit (220 and 252) communicating bi-directionally with each other via a RF wireless link (see fig. 2B, page 11, section [0111] lines 3-12 and section [0113]). In this case, the system 250 also includes handheld or the remote control unit (220) and selected MDS (252 of 202), the remote control unit (220) or remote control unit (252) is a master and communicating with plurality of lighting control units (202s) bi-directionally with each other via a RF wireless link (see fig. 2B, page 11, section [0111] lines 3-12, section [0113]).

Regarding claims 2 and 12, Josephsoon teaches a sensor (906) for sensing a parameter and transmitting a status of the parameter (902) to the master (908 of 900) (see page 14, section [0129-0131]).

Regarding claims 3 and 13, Josephsoon teaches the sensor is selected from the group consisting of: an ambient light sensor, a motion sensor, an occupancy sensor, a temperature sensor, and a combination thereof (see fig. 3A, page 13-14, sections [0126 and 0129-0131]).

Regarding claims 4 and 14, Josephsoon teaches the sensor communicates via a RF wireless link with the master (see page 9, section [0096]). In this case, the sensor communicates via a RF wireless link with the master, since the control lighting fixtures remotely without

Art Unit: 2618

rewiring, and the occupancy sensor input/output device communication with master with RF signal.

Regarding claims 5 and 15, Josephsoon teaches the master (252 of 202) is one of the plurality of lighting control units (202s) and controls the lighting unit associated therewith in response to receiving the status of the parameter (see fig. 2B, page 11, section [0111] lines 3-12, section [0113], and see page 9, sections [0096-0100]).

Regarding claims 6 and 16, Josephsoon teaches a user interface (224) control on the remote control unit (220) is associated with at least one of the plurality of lighting control units (202) (see page 11, section [0110]).

Regarding claims 7 and 17, Josephsoon teaches the slaves (202s) communicate directly with the master (252) via RF wireless communication (see fig. 2B, page 11, section [0111] lines 3-12, section [0113]).

Regarding claims 9 and 19, Josephsoon teaches the network combines a RF communication protocol and a lighting control protocol (see fig. 2B, page 11, section [0111] lines 3-12, section [0113], and see any hard selection protocol on page 6, sections [0072-0073, 0076-0078], and page 16, section [0148]). In this case, the communication protocol is between mater and slave assignment command on-off status bit map is the lighting control protocol, and the RF wireless link of the communication RF communication protocol.

Regarding claims 10 and 20, Josephsoon teaches a mechanism for selecting back-up to the master (252 of 202) (see fig. 2A-B, page 11, sections [0111 and 0113]). In this case, the mater (252) is selected from the (control units (202)), therefore the control unit (202) can be back-up controller for master (252) to controlling the system.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 8 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Josephsoon (U.S. Pub. 2008/0034331) in view of Crookham (U.S. Pub. No. 2007/0171028).

Regarding claims 8 and 18, Josephsoon teaches the master (252 of 202) is one of the plurality of lighting control units (202s). But Josephsoon does not mention a central control master for interfacing multiple instances of the lighting control network together.

However, Crookham teaches a central control master (138) for interfacing multiple instances of the lighting control network (136) together (see fig. 1A-B, and 8-10, page 4-5, sections [0065-0068]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Josephsoon with Crookham, in order to provide user can potentially access this information from anywhere an Internet connection is available

Art Unit: 2618

using wireless or wireless form the central control master (138) and network 136 to control of light and other electrical controller system (see suggested by Crookham on page 5, section [0066-0067]).

***Response to Arguments***

5. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

6. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(571) 273-8300, (for Technology Center 2600 only)**

*Hand-delivered responses should be brought to the Customer Service Window (now located at the **Randolph Building, 401 Dulany Street, Alexandria, VA 22314**).*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (571) 272-7888. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Anderson, Matthew D., can be reached at (571) 272-4177.

Art Unit: 2618

The fax phone number for the organization where this application or proceeding is assigned is **(571) 273-8300**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is **(703) 306-0377**.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan H. Trinh  
Division 2618  
January 18, 2009

/TAN TRINH/  
Primary Examiner, Art Unit 2618  
01-18-2009